Author Index of Volume 64

Al-Zahrani, A., 133
Arnaldos, J., 43, 145

Baron, T., 271
Burns, M. A., 165

Casal, J., 43, 145
Chao, T., 93
Chetty, A. S., 165
Chi Tien, 147
Chirone, R., 249
Ciprios, G., 115
Cohen, H., 147
Colberg, R. D., 3

Enstad, G. G., 183

Fleming, M. R., 93

Gabis, D. H., 164
Goetz, V., 81
Gogolek, P. E. G., 285
Graves, D. J., 81
Gupta, S. K., 221

Haaker, G., 183
Hamby, R. K., 3, 103
Harel, O., 49, 159
Holman, L. E., 233

Laguerie, C., 271
Leuenberger, H., 233
Levien, K., 125, 133
Liu, Y. A., 3, 103

Massimilla, L., 249
Matsubara, S., 207
Miwa, Y., 207
Miyanami, K., 191, 207

Nicol, S. K., 259

Omi, T., 207
Onyemaobi, O. O., 191

Ranawake, U. A., 125
Resnick, W., 49, 159
Rosensweig, R. E., 115

Saraber, F., 183
Sarker, M. K., 221
Sarker, M., 221
Saxena, S. C., 57
Shrivastava, S., 57
Siegell, J. H., 1
Smitham, J. B., 259
Soo, S. L., 213

Takagi, K., 207
Tojo, K., 191

Wallace, A. K., 125
Wei-Kuo Lee, 69
Wenzel, L. A., 93

Xuereb, C., 271

Yamazaki, H., 199

Zhou, L. X., 213
Zimmels, Y., 49, 159

Elsevier Sequoia/Printed in The Netherlands

Subject Index of Volume 64

Aerosol filtration
in a magnetically stabilized fluidized bed, 147
Ammonia synthesis
in a magnetically fluidized powdery catalyst bed under a low pressure, 175
Anthracites
primary fragmentation in fluidized bed combustion of, 249
Application of rotary drum reactor
to a diffusion-controlled liquid–solid reaction, 207
Axial dispersion
in a magnetically stabilized fluidized bed liquid chromatography column, 81

Boundary conditions
of particle phase and collection efficiency in cyclones, 213

Coals
froth-floated; factors affecting pelletisation of, 191
Coal stockpiles
physico-chemical principles controlling dust emission from, 259
Cohesive bulk solids
investigations on anisotropic yield behaviour of, 183
Collection and particle phase efficiency in cyclones
boundary conditions of, 213
Cyclones
boundary conditions of particle phase and collection efficiency in, 213

Diffusion-controlled liquid–solid reaction
application of rotary drum reactors to, 207
Dust emission from coal stockpiles
physico-chemical principles controlling, 259

Effect of power consumption on solids concentration profiles in a slurry mixing tank, 199
Experimental investigation of flow of solids from a fluidized bed through an inclined pipe, 221
Experimental feasibility study
of a magnetic elevator for particles, 125

Factors affecting the pelletisation of froth-floated coals, 191
Fluidized bed combustion of anthracites
primary fragmentation in, 249
Fluidized beds
magnetically staged; for countercurrent gas–solids contacting, 133
particle motion in, 285
screen-packed and conventional fluidized; in axial and transverse magnetic fields, 103
solids flow from, through an inclined pipe; experimental investigation of, 221
study of gas flow rate profiles introduced by a gas in horizontal jets in, 271
Fragmentation
primary; in fluidized bed combustion of anthracites, 249
Fundamental and practical developmentns of magneto-fluidized beds
a review, 3

Gas flow rate profiles in horizontal jets introduced into a fluidized bed by a gas
study of behaviour of, 271
Gas–solids contacting
countercurrent; magnetically staged fluidized bed for, 133

Hardness and solid fraction of porous compacts
significance of slopes of semilogarithmic relationship between, 233
Hydrodynamic investigations
of a magnetically stabilized air fluidized bed of ferromagnetic particles, 57
Hysteresis phenomena in magnetized-fluidized beds, 49

Inclined pipes
experimental investigation of flow of solids from a fluidized bed through, 221
Investigations on anisotropic yield behaviour of a cohesive bulk solid, 183

Liquid–solid reactions
diffusion-controlled; application of rotary drum reactor to, 207

Magnetic elevators for particles
experimental feasibility study of, 125
Magnetic fields
axial and transverse; screen-packed and conventional fluidized beds in, 103
Magnetic liquid stabilisation of fluidization in a bed of nonmagnetic spheres, 115
Magnetic valve
a note on its antecedents, 145
Magnetically fluidized powdery catalyst beds under low pressure
ammonia synthesis in, 175
Magnetically stabilized air-fluidized bed of ferromagnetic particles, 57
Magnetically stabilized fluidized bed liquid chromatography columns
axial dispersion in, 81
Magnetically stabilized fluidized bed separators
overcoming support limitations in, 165
Magnetically stabilized fluidized beds
aerosol filtration in, 147
for countercurrent gas–solids contacting, 133
hysteresis phenomena in, 49
particle separation in, 159
rheology of, 69
Magnetized-fluidized beds, 1

Elsevier Sequoia/Printed in The Netherlands

Magnetochemical engineering
an experimental study of screen-packed and conventional fluidized beds in axial and transverse magnetic fields, 103
Magnetofluidized beds
fundamental and practical developments of, 3
structure of, 43

Nonmagnetic spheres
magnetic liquid stabilisation of fluidization in a bed of, 115

Overcoming support limitations in magnetically stabilized fluidized bed separators, 165

Particle motion in fluidized beds, 285
Particle phase and collection efficiency in cyclones
boundary conditions of, 213
Pelletisation of froth-floated coals
factors affecting, 191
Physico-chemical principles controlling emission of dust from coal stockpiles, 259
Porous compacts
significance of slopes of semilogarithmic relationship between hardness and solid fraction of, 233
Power consumption
effect on solids concentration profiles in a slurry mixing tank, 199
Primary fragmentation in fluidized bed combustion of anthracites, 249
Particle separation in a magnetically stabilized fluidized bed, 159
Particles
experimental feasibility study of a magnetic elevator for, 125

ferromagnetic; magnetically stabilized air-fluidized beds of, 57

Rotary drum reactor
application to a diffusion-controlled liquid–solid reaction, 207
Rheology of magnetically stabilized fluidized beds, 69

Significance of slopes of semilogarithmic relationship between hardness and solid fraction of porous compacts, 233
Slopes of semilogarithmic relationship between hardness and solid fraction of porous compacts
significance of, 233
Slurry mixing tanks
effect of power consumption on solids concentration profiles in, 199
Solids concentration profiles in a slurry mixing tank
effect of power consumption on, 199
Solids flow from a fluidized bed through an inclined pipe
experimental investigation of, 221
Study of behaviour of continuous horizontal or inclined jets introduced into a fluidized bed by a gas; gas flow rate profiles in the horizontal jets, 271
Stabilisation
magnetic liquid, of fluidization in a bed of nonmagnetic spheres, 115
Structure of magnetofluididzed beds, 43
Studies in magnetochemical engineering
an experimental study of screen-packed and conventional fluidized beds in axial and transverse magnetic fields, 103

Yield behaviour
anisotropic, of a cohesive bulk solid; investigations on, 183